(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 23 December 2004 (23.12.2004)

PCT

(10) International Publication Number WO 2004/112285 A1

(51) International Patent Classification7:

(21) International Application Number:

PCT/JP2004/008473

H04B 10/12

(22) International Filing Date:

10 June 2004 (10.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2003-169066

13 June 2003 (13.06.2003) JP

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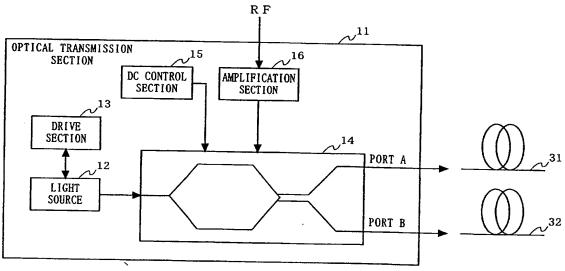
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR. BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM, DEVICE, AND METHOD FOR RADIO FREQUENCY OPTICAL TRANSMISSION



(57) Abstract: The present invention aims to provide a radio frequency optical transmission system having a simple structure while allowing a signal to be prevented from being lost due to the influence of chromatic dispersion without requiring considerably high adjustment accuracy. An optical intensity modulation section (14) of a control station (10) modulates an intensity of an optical signal generated by a light source (12) with a radio frequency signal, and divides the optical signal having its intensity modulated into two optical signals. The optical intensity modulation section (14) outputs one of the two optical signals without processing it, and the other optical signal is inverted (i.e. 180 out of phase) and outputted. The two optical signals are transmitted through two separate optical fibers (31 and 32) to base stations (21 through 2n). Each of the base stations (21 through 2n) receives one of the two optical signals transmitted via the two optical fibers (31 and 32).

